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Hygroscopic polyester fibre - covered with surface layer contg. micropores with capillary action

Patent Assignee: TEIJIN LTD (TEIJ)

Patent Family (2 patents, 1 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 60167969	A	19850831	JP 198422931	A	19840213	198541	B
JP 1989051590	B	19891106	JP 198422931	A	19840213	198948	E

Priority Applications (no., kind, date): JP 198422931 A 19840213

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 60167969	A	JA	8	1	

Alerting Abstract JP A

Polyester fibre is covered with a surface layer of thickness at least 0.1 micron contg. micropores with dia. less than 30 microns and have capillary action.

The micropores are formed by performing at least 2 wt.% wt. redn. of polyester in which 1-30 wt.% of organic sulphonic acid cpd. of formula (I) (e.g. 5-sodium sulpho-isophthalate) has been dispersed uniformly. In (I), R1 and R2 are each H, alkyl, aryl or aralkyl; M is metal; a is 1-500; b is 0 or positive number less than a; n is at least 1.

Porous and surface layer has void percentage of 10-90, pref. 20-80%.

ADVANTAGE - Polyester fibre has good moisture absorbing property. It is dyed in deep bright colour and does not cause lowering of strength and fibrillation.

Title Terms /Index Terms/Additional Words: HYGROSCOPIC; POLYESTER; FIBRE; COVER; SURFACE; LAYER; CONTAIN; MICROPOROUS; CAPILLARY; ACTION

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date			
D01F-0006/62	A	I	L	R	20060101			
D01F-0006/92	A	I	L	R	20060101			
D06M-0101/00	A	N	L	R	20060101			
D06M-0101/16	A	N	L	R	20060101			
D06M-0101/30	A	N	L	R	20060101			
D06M-0101/32	A	N	L	R	20060101			
D06M-0011/00	A	I	F	R	20060101			
D06M-0011/38	A	I	L	R	20060101			
D01F-0006/62	C	I	L	R	20060101			
D01F-0006/92	C	I	L	R	20060101			
D06M-0011/00	C	I	F	R	20060101			

File Segment: CPI

DWPI Class: A23; E12; F01

Manual Codes (CPI/A-N): A05-E01B; A09-A06; A10-E05; A11-C05; A12-S05A; E10-A09B2; F01-D04; F03-A; F03-C; F03-C06